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REPUBLIC OF EGYPT

MINISTRY OF PUBLIC HEALTH

OPHTHALMIC SECTION

REPORT

FOR THE YEAR 1952



GOVERNMENT PRESS, CAIRO, 1954

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Annual Report

Work done by the Ophthalmic Section during 1952

New Units :

A.—Hospitals.

B.—Branches: Manfalout, Hehia, Belkas, Helwan (opened on 31/12/1952), Matâna clinic was closed. Manfalout tents were transferred to Riad El Foadia. Thus making the total number of units:

Tents	19
Buildings	90
TOTAL	109

Clinical Work :

The following table shows the clinical work done during 1952 compared with that done during 1951 :

	1951	1952
New patients	1,362,801	1,647,677
Out-patients	4,696,634	5,331,101
Number of out-patient visits ...	6,112,565	6,978,780
Operations	183,114	215,036
Ophthalmias	1,626,606	2,213,794

Blindness :

Number of cases of blindness including cataract cases is 43,729 (ratio percentage: 2.65); while the number of cases of blindness excluding cataract cases is 40,491 (ratio percentage: 2.46).

Other Services :

1.—Ophthalmologists pay regular visits to the following institutions and hospitals to examine and treat ophthalmic cases :

- (a) Leprosy Hospitals at Sioufia and Abu-Zaabal.
- (b) Mental Diseases Hospitals at Abbassia and Khanka.
- (c) Fever Hospitals at Abbassia and Imbaba.
- (d) Convalescent Hospitals at Marg.
- (e) Children's Preventorium at Giza and Marg.
- (f) Mataria Dispensary.

2.—The ophthalmologists of the Section participate in examining motor-car drivers at Abbassia and regional traffic offices.

They are also members of general and local medical commissions.

3.—Three doctors and six nurses from the Ophthalmic Section have been deligated (lent) to work in the Ophthalmic Hospitals in the Arabian Seoudian Kingdom.

4.—Ophthalmologists of other administrations are accepted to work at Ophthalmic Hospitals to increase their knowledge and enable them to keep pace with recent advances, and to perform different ophthalmic operations. The Section also provides the Ophthalmic Units in other Ministries with surgeons who have been trained at hospitals of the Section.

Post Graduate Course :

5.—Every year the Section organises post graduate instructions for its new medical officers who study for the Diploma in Ophthalmic Medicine and Surgery at Cairo Universities. Director and sub-director, the inspectors and the principal medical officers of the big Ophthalmic hospitals in Cairo cooperate with the professors of the two faculties in teaching them.

6.—The ophthalmic Section deligate every now and then doctors to examine and treat the patients of Arish and Ghazza and Tore.

Nursing Staff :

7.—The Section is going ahead with its policy of replacing male attendants by nurses, as much as the budget permits, until nursing will be fully carried out by female nurses in all the ophthalmic units.

Accommodation :

8.—The number of beds in all units is 2,488. The Ministry is endeavouring to increase in-patient accommodation.

Ophthalmic Library :

9.—The Section has a circulating library which is kept provided with old and most recent books and monograms on ophthalmology. Surgeons are thus kept in touch with all recent advances in ophthalmology, their standard is consequently raised. This library is located at Rod-el-Farag Ophthalmic Hospital, and contains also many current journals on ophthalmology. Important books are furnished in extra copies so as to facilitate their circulation among the surgeons.

Apparatus and Instruments :

10.—The Ministry takes special interest in providing ophthalmic units with modern instruments and appliances to enable them to keep pace with ophthalmic development.

TABLE 1.—WORK DONE

1.—IN-PATIENTS : TOTAL NUMBER ...	637,894	3.—OUT-PATIENTS :	
ADMISSIONS... ..	39,536	I.—Tickets issued, i.e. new cases	1,647,677
Number of diets issued	625,372·5	II.—Old cases	5,331,103
2.—OPERATIONS :		III.—Visits made by patients to hospital for treatment... ..	6,118,780
I.—Major :		IV.—Average number of visits made to hospital by each patient under regular treatment... ..	3·7
(a) Senile Cataract	1,402	V.—Incurable	1,569
(b) Soft Cataract	247	VI.—Trichiasis cases seen among new out-patients	60,002
(c) Trichiasis and entropion	56,996	VII.—Spectacles ordered	3,734
(d) Other operations	14,144	VIII.—Constant wash cases (number of days treatment)	2,213,794
TOTAL	72,789		
II.—Minor (including mechanical treatment of trachoma) ...	142,247		
GRAND TOTAL, MAJOR AND MINOR OPERATIONS	215,036		

TABLE 2.—WORK DONE

Ametropia :		Eyelids :	
Hypermetropia	2,022	Pediculus ciliaris	3,126
Myopia	3,163	Trichiasis and entropion	60,002
Astigmatism	2,017	Distichiasis	187
Presbyopia	932	Ectropion	1,073
Conjunctiva :		Lagophthalmos	599
Conjunctivitis, Gonococcal	95,578	Blepharitis... ..	164,510
„ Morax-Axenfeld	24,008	Hordeolum... ..	3,432
„ Koch-Weeks	57,316	Wart	659
„ Pneumococcal	14,267	Chalazion	5,698
„ Diphtheritic	544	Eczema	2,409
„ Membranous	1,186	Rodent ulcer	12
„ other organisms or negative (unclassified)	73,716	Dermoid	79
Trachoma 1	149,846	Ptosis	1,515
„ 2 a	138,113	Erysipelas	15
„ 2 b'	39,148	Herpes	204
„ 2 b''	5,727	Chancre	—
„ 2 c	2,418	Epithelioma	5
„ 3 including post-tracho- matous degeneration	802,389	Other tumours	91
„ 4	228,049	Leucodermia	125
Phlyctenule	87,526	Injuries and abscesses	2,657
Pterygium	8,589	Lacrimal Apparatus :	
Pinguecula	6,321	Lacrimal fistula	383
Xerosis	6,422	Stenosis of the duct	519
Symblepharon	333	Dacryocystitis, acute	414
Dermoid	47	„ chronic	4,734
Other conditions :		Cyst of lacrimal gland	72
Argyrosis	5,114	Cornea :	
Colloid and hyaline degeneration	315	Ulceration, simple	55,296
Hypertrophied caruncle	819	„ hypopyon	2,821
Injuries (foreign bodies, burn, etc.)	1,418	„ perforation	7,513
Cyst	529	„ special forms	1,184
Fibroma	24	Pannus	49,134

TABLE 2 (*continued*)—WORK DONE

Cornea (<i>continued</i>):			
Keratitis, interstitial	347	Disseminated choroiditis	17
„ trachomatous	10,724	Choroido-retinitis	53
Nebula or leucoma	281,181	Atrophy of choroid	172
Adherent leucoma	36,111	Tumours	2
Totally opaque cornea	12,524	Albinismus	69
Staphyloma	6,809	Retina :	
Xerosis of Cornea	2,462	Retinitis, albuminuric and diabetic	38
Abscess of Cornea	47	„ syphilitic	17
Conical Cornea (congenital)	168	„ pigmentosa	46
Keraticrasia	2,267	Detachment of retina	157
Injuries (burns, foreign bodies, etc.)	3,914	Embolism and thrombosis of retinal vessels	6
Limbus :		Glioma	1
Tumour	29	Other conditions	8
Dermoid	15	Night-blindness (in which retinitis pigmentosa is absent)	563
Epithelioma	16	Optic Nerve :	
Iris :		Neuritis	26
Anterior Synechia	4,456	Atrophy (see table of causes of optic atrophy)	170
Posterior „	4,361	Opaque nerve-fibres	1
Inflammation	1,390	Other conditions	3
Iris bombé	68	Lens :	
Irido-dialysis	67	Cataract, senile	4,076
Congenital coloboma	37	„ soft	457
Aniridia	2	„ traumatic	158
Persistent pupillary membrane	62	„ lamellar	16
Iridodonesis	595	„ anterior polar	1,689
Various	212	„ posterior polar	125
Sclerotic :		„ dislocated, traumatic	98
Ciliary staphyloma	2,173	„ „ operative	42
Episcleritis	129	„ „ congenital	18
Injuries	100	Aphakia	1,760
Choroid :		Secondary cataract	459
Coloboma	7	Ectopia Lentis	1
Rupture	2		

TABLE 2 (*concluded*).—WORK DONE.

Vitreous :		Globe :	
		Shrunken globe... ..	15,410
Opacities	486	Buphthalmos	53
Foreign bodies	1	Exophthalmic goitre	12
Muscles :		Panophthalmitis	290
		Microphthalmos	22
Strabismus, alternating	2,091	Anophthalmos	4
„ convergent	18,717	Injury	112
„ divergent	16,387	Orbit :	
Heterophoria	469	Tumours	37
Nystagmus	2,104	Cellulitis	49
Paralysis	47	Tenonitis	5
Glaucoma :		Periostitis	3
		Injuries	14
Primary, acute	410	Cyst, frontal	2
„ sub-acute	972	Cyst, ethmoidal	3
„ chronic	4,266	Contracted socket	235
Secondary	6,934	Fly-blown	11

TABLE 3.—CAUSES OF OPTIC ATROPHY

OPTIC ATROPHY :			
A.—(1) Primary :			
The spinal diseases causing the condition are :		(b) Acute fevers (including syphilis and rheumatism)	15
G.P. 1		(c) Intoxications (alcohol, lead, etc.)... ..	6
Tabes		(d) Nervous diseases (disseminated sclerosis, acute myelitis) ...	10
Disseminated sclerosis		Chronic retro-bulbar neuritis may be caused by tobacco, alcohol, diabetes, iodoform, opium etc.	
Lateral sclerosis		B.—Post-neuritic :	
Spastic paraplegia		The causes of optic neuritis, all of which may be followed by post neuritis, atrophy, are as follows :	
Lebers hereditary optic atrophy		(a) Sepsis (dental, periostitis, middle ear accessory sinuses)...	22
Congenital optic atrophy		(b) Acute fevers (including syphilis and rheumatism)	23
Unknown		(c) Intoxications (kidney disease and diabetes, alcohol, felix-mas)	16
It may also be caused by :		(d) Nervous diseases : Diss. sclerosis, G.P. 1, epilepsy ...	2
Arterio-sclerosis		(e) Anaemia	2
(2) Compression of the optic chiasma or of the optic nerve by a tumour or injury by a projectile or bony fracture may produce optic atrophy of a primary type		(f) Unknown	25
(3) Retro-bulbar neuritis :			
The acute form causes atrophy of the optic nerve primary in type, not infrequently. The chronic form more rarely. Acute retro-bulbar neuritis. The causes are :			
(a) Sepsis (dental, periostitis middle ear, accessory sinuses) ...		TOTAL	181

TABLE 4.—LIST OF OPERATIONS

<i>Eyelids :</i>		<i>Cornea :</i>	
For trichiasis and entropion :		Foreign body removed (minor)	2,764
Snellen's	52,529	Sæmisch's section	114
Anagnostakis	24	Cautery	275
Snellen-Anagnostakis	25	Corneal Graft and Keratoplasty	—
Conthoplasty	1,302	Various	100
Grafting mucous membrane ...	2,834		
Electrolysis (minor)	1,902	<i>Iris :</i>	
Excision of lash (minor)	2,231	Iridectomy for adherent leucoma	1,003
Other operations	282	„ visual	436
		„ for glaucoma	590
For Ectropion :		„ preliminary for cataract	260
Plastic	28	Cystoid cicatrix	47
MacCallan's	—	Division of anterior synechia ...	5
Kenneth Scott's	3	Various	225
Kuhnt's	20		
Other operations	46	<i>Lacrimal Sac :</i>	
For ptosis	28	Excision	3,263
For symblepharon	74	Various (minor)	919
For hordeolum and chalazion (minor)	6,136		
Cyst removed	293	<i>Lens :</i>	
Wart excised (minor)	292	For senile cataract :	
Restitching wounds (minor) ...	140	Intracapsular	45
Opening abscesses (minor)	1,702	Extraction with iridectomy	1,133
Various... ..	348	„ after previous iridectomy	224
		For membrane after extraction :	
<i>Conjunctiva :</i>		Discission	195
For trachoma :			
Expression or Mechanical Treatment (minor)	72,198	For soft cataract :	
Combined excision of Heisrath... ..	218	Extraction	49
Post-trachomatous degeneration (minor)	53,514	Discission	74
Other operations {	minor ...	Curette evacuation	144
	major ...	Paracentesis	18
Pterygium	4,828	For membrane after evacuation :	
Placental Graft	50	Discission	31
		Capsulotomy	3

TABLE 4 (continued).—LIST OF OPERATIONS

<i>Retina :</i>			
For Detachment of Retina... ..	4	For dermoid	13
		„ cellulitis	12
<i>Globe :</i>		„ cyst, frontal	3
Trephining of cornea-sclera with iridectomy	643	„ ethmoidal	3
Trephining	50	Tenotomy and advancement ...	14
Excision	201	Other major operations	33
Evisceration	225	Trial with magnet :	
Paracentesis	338	Positive	25
Cyclodialysis	1	Negative	1
<i>Orbit :</i>		TOTAL : total number of major and minor operations	215,306
Exenteration	35		
For tumour	8		

TABLE 5.—NUMBER OF NEW PATIENTS TREATED AT ALL OPHTHALMIC HOSPITALS
DURING 1952

Hospitals	Number	Hospitals	Number	Hospitals	Number
Rod El Farag	90,986	Number 4	9,023	El Minia	18,037
Giza	65,280	Zagazig	24,606	Maghagha	17,076
Khalifa	54,348	Abu Kebir	17,015	Samallout	19,207
Bab El Shaâria ...	27,668	Fakous	10,620	El Fikria	20,466
Boulak... ..	32,849	Minia El Qamh ...	14,689	El Fashn	18,217
Number 1 Azhar ...	29,451	Inshas	7,793	Bani Mazar	16,644
„ 3 Sharabia ...	25,723	Belbeis	10,523	Number 14... ..	9,426
Port Sayed	48,826	Number 6	7,927	Assiut	12,120
Ismaelia	12,372	Shibin el Kom ...	22,258	Manfalout Branch ...	2,540
Suez	29,294	Kuesna	11,551	Mallawi	23,083
Damietta	14,141	Menouf	15,732	Dairout	11,798
Number II... ..	14,912	Ashmoun	12,181	El Badari	5,979
Banha	29,626	Tala	7,776	Abu Teeg	9,293
Qalioub	20,871	El Bagour... ..	3,045	Sahel Seleem	6,232
Shebin El Kanater ...	11,477	Sobk El Dahak... ..	5,072	Number 5	5,752
Number 12 Basioun...	3,626	Zawiet El Naoura ...	1,905	Souhag	12,359
Tanta	41,799	Number 2	7,985	Tahta	18,559
El Santa	12,835	Damanhour	21,854	Tima	13,707
Zefta	15,308	Edfina	6,504	Guirga	17,789
Mahalla El Kobra ...	16,657	Kom Hamada	8,015	El Baliana	17,924
Taieba... ..	14,535	El Delingat	2,678	Akhmim	12,538
Sherbin	11,050	Shubrakhiet	2,260	Number 10... ..	4,637
Samannud	15,485	Kafr el Dawar ...	10,145	Quena	21,096
Kafr El Zayat	23,267	Etag El Baroud ...	4,755	Esna	12,731
Minshat El Badrawi	1,672	Number 9 Embaba ...	19,685	Luxor	13,746
Belkas... ..	4,179	El Saff	7,629	Qous	7,499
Kafr El Sheikh ...	8,956	El Ayat	9,203	Naga-Hammadi ...	10,399
Fowa	8,514	Number 13... ..	9,626	Dishna	6,067
Desouk	12,306	Bani-Suef	34,256	Kom-Ombo	8,818
Number 15Diarb Negm	5,558	El Wasta	11,431	Aswan	11,515
Mansoura	22,055	Beba	15,171	Edfu	4,984
El Mataria... ..	33,925	Number 7 Abishway...	15,252	Hehia	3,550
Mit Ghamr	15,024	El Fayoum	23,149	Rosetta	7,141
El Senbellawein ...	8,745	Tamia... ..	3,661	Manfalot (tents) ...	10,268
Fareskour	6,151	Sinnoures	11,255	Riad El Foadia ...	937
Aga	5,220	Etsa	10,393		
Dekerness	14,618	Number 8	9,611		

TABLE 6.—NUMBER OF OPERATIONS PERFORMED AT ALL OPHTHALMIC HOSPITALS
DURING 1952

Hospitals	Number	Hospitals	Number	Hospitals	Number
Rod El Farag	8,684	Number 4	553	El Minia	1,814
El Giza	8,319	El Zagazig	1,696	Maghagha	2,076
El Khalifa	3,715	Abu Kebir	1,837	Samallout	1,788
Bab El Shaâria	3,597	Fakous	1,632	El Fikria	1,698
Boulak... ..	3,295	Minia el Qamh ...	1,666	El Fashn	2,392
Number 1 Azhar ...	4,840	Enshas	714	Bani Mazar	1,457
„ 3 Sharabia...	2,373	Belbeis	2,677	Number 14 Qousia ...	1,487
Port Said	3,025	Number 6	1,678	Assiut	2,631
Ismaelia	1,451	Shebin el Kom ...	3,872	Manfalout Branch ...	472
Suez	1,886	Kuesna	2,570	Mallawi	2,464
Damietta	2,250	Men uf	2,107	Dairout	1,158
Number 11... ..	2,488	Ashmoun	1,703	El Badari	613
Banha	3,167	Tala	2,759	Abu Teeg	1,923
Qalioub	2,222	El Bagour	682	Sahel Seleem	674
Shebin El Kanater ...	2,032	Sobk El Dahak... ..	1,114	Number 5	588
Number 12 Basioun...	915	Zawyet El Naoura ...	231	Souhag	3,328
Tanta	3,923	Number 2	1,681	Tahta	2,964
El Santa	2,250	Damanhour	3,677	Tima	4,054
Zefta	2,406	Edfina	768	Guirga... ..	1,669
El Mahalla El Kobra	2,394	Kom Hamada	1,162	El Baliana	3,976
Taieba	1,177	El Delingat... ..	389	Akhmim	2,138
Sherbin	1,453	Shoubrakhiet	661	Number 10 Armant...	1,237
Samannud	1,121	Kafr El Dawar	1,940	Quena	2,459
Kafr El Zayat	2,018	Etag El Baroud ...	781	Esna	2,519
Minshat El Badrawi...	544	Number 9 Embaba ...	942	Luxor	3,646
Belkas	726	El Saff	894	Qous	1,753
Kafr El Sheikh ...	2,567	El Ayat	1,527	Naga Hammadi ...	1,605
Fowa	1,012	Number 13... ..	1,295	Dishna	850
Desouk	1,342	Bani-Suef	4,686	Kom-Ombo	1,184
Number 15 DiarbNegm	692	El Wasta	1,814	Aswan	1,321
Mansoura	3,026	Beba	2,358	Edfu	335
Mataria	3,751	Number 7 Abishway...	1,509	Hehia	537
Mit Ghamr	3,618	El Fayoum	1,499	Rosetta	468
El Senbellawein ...	1,500	Tamia... ..	903	Manfalout (tents) ...	1,289
Faraskour	1,119	Sinnoures	1,915	Riad El Foadia ...	202
Aga	439	Etsa	1,680		
Dekerness	1,867	Number 8	1,491		

TABLE 7.—NEW PATIENTS TREATED
ACCORDING TO THE AGE AT WHICH THEY
SOUGHT TREATMENT DURING 1952

Age	Number
Under one year	175,612
From 1 to 5 years	214,635
„ 6 „ 10 „	151,499
„ 11 „ 15 „	141,382
„ 16 „ 20 „	138,183
„ 21 „ 25 „	131,541
„ 26 „ 30 „	125,936
„ 31 „ 35 „	121,087
„ 36 „ 40 „	104,409
„ 41 „ 45 „	92,872
„ 46 „ 50 „	75,238
„ 51 „ 55 „	61,478
„ 56 „ 60 „	44,669
„ 61 „ 65 „	34,025
„ 66 „ 70 „	21,534
Over 70 years	13,577
TOTAL	1,647,677

TABLE 8.—NEW PATIENTS TREATED PER MONTH

Months	Number
January	84,531
February	85,115
March	99,013
April	143,125
May	165,004
June	176,920
July	184,517
August	183,412
September	185,611
October	152,816
November	105,000
December	82,613
TOTAL	1,647,677

TABLE 9.—AVERAGE TEMPERATURE : THE AVERAGE TEMPERATURE WAS ARRIVED AT BY TAKING ONE PLACE IN LOWER EGYPT (GEMMEIZA), ONE PLACE IN CAIRO (GIZA) AND ONE PLACE IN UPPER EGYPT (ASSIUT) AND OBTAINING AN AVERAGE FIGURE FROM THE MEAN TEMPERATURE AT EACH PLACE ON EACH MONTH.

Month	Gemmeiza	Giza	Assiut	Average
January	11·4	12·0	12·7	12·0
February	12·8	13·8	14·4	13·7
March	14·2	16·1	17·0	15·8
April	18·6	20·1	22·4	20·4
May	22·1	23·7	26·8	24·2
June	24·4	25·9	27·8	26·0
July	25·4	27·2	28·2	26·9
August	26·4	28·0	29·6	28·0
September	26·2	27·0	27·9	27·0
October	22·6	23·4	25·1	23·7
November	17·8	17·9	18·3	18·0
December	14·4	14·6	15·5	14·8

TABLE 10.—SYNOPSIS OF WORK AT ALL OPHTHALMIC HOSPITALS DURING 1952

	1950	1951	1952
<i>Hospitals in existence :</i>			
Tents	15	12	19
Permanent	91	95	90
New patients treated	1,445,921	1,362,801	1,647,677
Total attendance of out-patients ...	7,208,525	6,112,565	6,118,780
Operations performed	210,773	183,114	215,036
In-patients	35,449	32,907	35,536
<i>Details :</i>			
Patients examined	1,554,063	1,362,801	1,647,677
,, regularly treated	5,698,972	4,696,634	5,331,103
Incurable cases... ..	816	877	1,569
Blind in one eye	34,961	33,537	37,060
Blind both eyes	6,328	6,415	6,669
Trichiasis cases examined	57,649	51,371	60,002
,, ,, operated on and cured	54,528	50,052	56,996

TABLE 11.—CAUSES OF BLINDNESS

A.—Congenital	27
B.—Acquired :	
I.—Conjunctivitis resulting in :	
(a) Total corneal opacity	12,524
(b) Shrunken globe	15,410
(c) Secondary glaucoma	6,235
(d) Other conditions	1,183
II.—Fundus :	
(a) Optic atrophy... ..	173
(b) Optic neuritis	24
(c) Retinitis pigmentosa	37
(d) Detachment of Retina... ..	142
(e) Other diseases of fundus	52
III.—Glaucoma, primary :	
(a) Monocular (including absolute No. =1467)	2,605
(b) Binocular („ „ „ = 779)	1,437
IV.—Injury	184
V.—Operation	15
VI.—Infectious diseases	36
VII.—Iritis endogenous	435
VIII.—Various	338
TOTAL excluding cataract cases	40,857
Cataract Cases	3,225
GRAND TOTAL	44,082

TABLE 12.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES

Hospital	1951	1952	Hospital	1951	1952	Hospital	1951	1952
Rod El Farag ...	2.56	3.26	Number 4 ...	1.33	0.70	El Minia ...	0.41	0.23
Giza ...	2.84	2.19	El Zagazig ...	1.30	0.80	Maghagha ...	4.80	3.52
El Khalifa ...	3.78	3.72	Abu-Kebir ...	0.30	0.61	Samallout ...	4.10	4.41
Bab El Shaâria...	3.50	3.10	Fakous ...	4.15	3.81	El-Fikria ...	2.80	2.68
Boulak ...	1.28	1.10	Minia el-Qamh ...	1.90	1.53	El Fashn ...	2.55	2.26
Number 1 ...	3.17	3.49	Enshas ...	1.77	3.09	Bani Mazaar ...	1.22	1.33
„ 3 ...	1.41	2.00	Belbeis ...	3.17	5.02	Number 14... ..	2.50	1.70
Port Said ...	1.90	1.32	Number 6 ...	1.30	0.50	Assiut ...	1.00	0.96
Ismaelia ...	3.58	3.94	Shebin El Kom	3.09	2.94	Manfalout (Tents)	4.80	2.96
Suez ...	2.28	2.56	Kuesna ...	3.51	2.88	Mallawi ...	2.11	1.36
Damietta ...	2.93	2.98	Menouf ...	3.32	0.92	Dayrout ...	1.10	1.29
Number 11... ..	5.50	0.54	Ashmoun ...	3.45	3.66	El Badari ...	3.39	3.73
Benha ...	1.54	1.29	Tala ...	3.30	2.61	Abu-Tig ...	4.46	4.14
Qalioub ...	0.84	0.89	El Bagour ...	3.90	4.69	Sahel Saleem ...	2.96	0.91
Shebin El Kanater	3.52	3.34	Sobk El Dahaak	5.00	4.53	Number 5 ...	3.53	2.76
Number 12... ..	1.75	2.50	Zawyet-el-Naoura	1.24	1.83	Souhag ...	3.78	3.75
Tanta ...	2.24	2.18	Number 2 ...	2.48	1.79	Tahta ...	2.87	3.12
El Santa ...	2.43	1.85	Damanhour ...	3.71	3.10	Tima ...	2.61	2.48
Zefta ...	3.60	3.48	Edfira ...	1.03	0.95	Guirga ...	2.85	3.04
Mahalla El Kobra	1.85	2.26	Kom Hamada ...	5.70	5.92	El Baliana ...	3.98	5.13
Taieba ...	0.64	0.60	El Dilingat... ..	3.23	1.60	Akhmim ...	2.19	3.58
Sherbin ...	0.90	0.99	Shoubrakheit ...	2.73	3.27	Number 10... ..	2.08	1.12
Samannoud ...	1.20	0.83	Kafr El Dawar...	4.90	4.95	Quena ...	1.11	1.04
Kafr El Zayat ...	3.21	3.41	Etag El Baroud	2.66	3.84	Esna ...	2.30	3.40
Minshat El Badrawi	0.75	3.11	Number 9 ...	0.10	0.21	Luxor ...	2.99	3.20
Belkas ...	—	3.35	El Saff ...	3.51	3.85	Qous ...	2.81	2.60
Kafr El Sheikh...	4.58	4.58	El Ayat ...	1.00	0.96	Nagh-Hammadi...	1.84	2.21
Fowa ...	2.97	1.74	Number 13... ..	2.00	3.03	Dishna ...	2.56	2.58
Disouk ...	2.47	3.11	Bani-Suef ...	1.80	1.80	Kom-Ombo ...	3.70	3.06
Number 15... ..	1.12	1.01	El Wasta ...	2.13	3.67	Aswan... ..	1.90	1.97
Mansoura ...	2.72	1.94	Baba ...	4.19	5.34	Edfu ...	0.99	2.07
Mataria ...	1.21	1.17	Number 7 ...	2.60	1.91	Rosetta ...	1.71	2.22
Mit Ghamr ...	1.68	1.41	El Fayoum... ..	2.74	4.65	Hehia ...	—	0.35
Sinbellawein ...	4.52	4.68	Tamia ...	3.67	2.54			
Fareskour ...	2.31	2.40	Sinoures ...	2.01	2.49			
Aga ...	2.50	2.10	Etsa ...	3.14	3.48			
Dekernis ...	1.94	2.20	Number 8 ...	4.96	1.77			

TABLE 13.—BLINDNESS AMONG OUT-PATIENTS SINCE 1909 TO 1952

Year	Total Number of Patients examined	One Eye including Cataract Cases		Both Eyes including Cataract Cases		One Eye and Both Eyes including Cataract Cases		One Eye excluding Cataract Cases		Both Eyes excluding Cataract Cases		One Eye and Both Eyes excluding Cataract Cases	
		Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
1909...	22,373	2,116	9.4	1,385	6.1	3,501	15.6	—	—	—	—	—	—
1910...	65,506	3,438	9.5	2,010	7.8	4,448	17.4	—	—	—	—	—	—
1911...	31,274	3,196	10.2	2,811	8.9	6,007	19.2	—	—	—	—	—	—
1912...	43,668	4,110	9.4	2,824	6.4	6,939	15.2	—	—	—	—	—	—
1913...	62,233	5,361	8.6	3,878	6.2	9,238	14.8	—	—	—	—	—	—
1914...	75,398	6,420	8.5	3,591	4.8	10,016	13.2	—	—	—	—	—	—
1915...	71,930	5,637	7.8	2,992	4.2	8,629	12.0	—	—	—	—	—	—
1916...	94,447	7,042	7.4	3,504	3.7	10,546	11.2	—	—	—	—	—	—
1917...	100,410	9,285	9.3	4,611	4.6	12,996	13.9	—	—	—	—	—	—
1918...	90,668	8,969	9.9	4,261	4.7	13,230	14.6	—	—	—	—	—	—
1919...	83,577	8,537	10.2	4,278	5.1	12,815	15.3	—	—	—	—	—	—
1920...	108,113	9,833	9.1	5,154	4.7	14,987	13.8	—	—	—	—	—	—
1921...	127,223	10,566	8.3	5,053	3.9	15,619	12.2	—	—	—	—	—	—
1922...	147,492	12,524	8.0	4,858	3.3	17,374	11.8	—	—	—	—	—	—
1923...	174,004	14,394	8.3	5,146	2.9	19,540	11.2	—	—	—	—	—	—
1924...	206,342	16,535	8.0	5,716	2.4	22,251	10.8	—	—	—	—	—	—
1925...	246,771	19,422	7.9	6,137	2.5	25,559	10.4	—	—	—	—	—	—
1926...	283,602	21,979	7.7	6,702	2.6	28,681	10.1	—	—	—	—	—	—
1927...	261,577	26,591	7.4	8,689	2.4	35,280	9.8	—	—	—	—	—	—
1928...	402,030	28,816	7.2	8,592	2.1	37,408	9.3	—	—	—	—	—	—

1929...	...	...	...	479,932	21,893	6·6	8,697	2·8	40,590	8·4	—	—	—	—	—	—
1930...	...	...	...	539,358	36,021	6·6	9,513	1·7	45,534	8·4	—	—	—	—	—	—
1931...	...	...	...	652,338	38,433	5·9	9,489	1·4	47,922	7·3	—	—	—	48,851	6·9	—
1932...	...	...	...	737,990	40,215	5·4	10,740	1·5	50,955	6·9	36,945	5·0	15,220	48,165	6·5	—
1933...	...	...	...	838,625	45,980	5·4	10,870	1·3	56,850	6·7	44,025	5·2	10,193	54,218	6·4	—
1934...	...	...	...	944,871	47,122	5·0	11,371	1·2	58,493	6·2	45,056	4·8	10,519	55,575	5·9	—
1935...	...	...	...	1,049,584	51,525	4·6	11,361	1·1	62,886	6·0	48,984	4·7	10,492	59,481	5·7	—
1936...	...	...	...	1,145,321	53,520	4·0	12,800	1·1	66,330	5·7	52,707	4·5	11,430	63,137	5·5	—
1937...	...	...	...	1,225,665	59,512	4·8	12,930	1·0	72,442	5·8	58,357	4·0	10,256	68,612	5·5	—
1938...	...	...	...	1,356,116	67,874	5·0	17,225	0·9	80,049	5·9	64,528	4·7	11,825	76,352	5·5	—
1939...	...	...	...	1,939,777	59,656	3·8	12,518	0·8	72,178	4·7	57,793	3·7	11,574	79,367	5·5	—
1940...	...	...	...	1,923,890	59,349	3·7	12,497	0·8	71,846	4·4	56,752	3·4	11,590	68,342	4·2	—
1941...	...	...	...	1,646,559	57,397	3·4	10,603	0·6	68,100	4·1	54,869	3·3	9,887	64,750	3·9	—
1942...	...	...	...	1,406,616	50,833	3·4	9,611	0·6	60,444	4·1	48,909	3·3	8,953	57,862	3·94	—
1943...	...	...	...	1,256,641	44,035	3·5	9,150	0·7	53,185	4·2	42,247	3·3	8,574	50,811	4·0	—
1944...	...	...	...	1,303,249	40,842	3·1	9,632	0·7	50,474	3·8	30,915	3·0	8,853	47,768	3·7	—
1945...	...	...	...	1,288,726	41,700	3·2	9,026	0·7	50,726	3·9	40,532	3·1	7,352	47,884	3·7	—
1946...	...	...	...	1,298,280	42,049	3·3	7,760	0·6	49,809	3·9	41,644	3·2	5,213	46,857	3·6	—
1947...	...	...	...	1,754,488	35,634	3·1	6,634	0·5	42,168	3·6	34,134	2·9	5,034	39,168	3·3	—
1948...	...	...	...	1,241,998	36,795	2·9	6,337	0·5	43,993	3·4	34,419	2·7	6,476	40,895	3·2	—
1949...	...	...	...	1,331,904	34,819	2·6	6,415	0·4	41,273	3·9	32,626	2·4	5,734	38,360	2·8	—
1950...	...	...	...	1,509,553	34,961	2·3	6,328	0·4	41,289	2·7	32,495	2·2	6,297	38,792	2·5	—
1951...	...	...	...	1,415,931	33,537	2·3	6,415	0·4	39,952	2·7	31,200	2·2	5,690	36,890	2·6	—
1952...	...	...	...	1,647,677	37,060	2·25	6,669	0·4	43,729	2·65	34,607	2·1	5,884	40,491	2·5	—

TABLE 14.—YEARLY PERCENTAGE OF BLINDNESS AMONG OPHTHALMIC HOSPITALS. PATIENTS SINCE THE YEAR 1909 TO 1952

Year	Percentage of blindness in one and both eyes including cataract cases	Percentage of blindness in one and both eyes excluding cataract cases	Year	Percentage of blindness in one and both eyes including cataract cases	Percentage of blindness in one and both eyes excluding cataract cases
1909	15·6	—	1931... ..	7·3	6·9
1910	17·4	—	1932... ..	6·9	6·5
1911	19·2	—	1933... ..	6·7	6·4
1912	15·2	—	1934... ..	6·2	5·9
1913	14·8	—	1935... ..	6·0	5·7
1914	13·2	—	1936... ..	5·7	5·5
1915	12·0	—	1937... ..	5·8	5·5
1916	11·2	—	1938... ..	5·9	5·5
1917	13·9	—	1939... ..	4·7	4·5
1918	14·6	—	1940... ..	4·4	4·2
1919	15·3	—	1941... ..	4·1	3·9
1920	13·8	—	1942... ..	4·1	3·9
1921	12·2	—	1943... ..	4·2	4·0
1922	11·8	—	1944... ..	3·8	3·7
1923	11·2	—	1945... ..	3·9	3·7
1924	10·8	—	1946... ..	3·9	3·6
1925	10·4	—	1947... ..	3·6	3·3
1926	10·1	—	1948... ..	3·4	3·2
1927	9·8	—	1949... ..	3·9	2·8
1928	9·3	—	1950... ..	2·7	2·5
1929	8·4	—	1951... ..	3·2	2·9
1930	8·4	—	1952... ..	2·65	2·46

N.B.—Blindness here is considered as stated by Prof. Trosso, “Failure to count fingers at a distance of one metre.”

TABLE 15.—INCIDENCE OF PRIMARY GLAUCOMA DURING 1952

Varieties	1952
Acute	410
Sub-acute	972
Chronic	4,266
TOTAL	5,648
Total number of patients examined	1,647,677
Percentage of glaucoma cases	0·34
Percentage of absolute glaucoma cases	0·14
Operations :	
Iridectomy	590
Trephining with iridectomy	643
Including absolute monocular and binocular	2,246

TABLE 16.—INCIDENCE OF PRIMARY GLAUCOMA DURING 1938-1952

Variables	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952
Acute... ..	218	276	210	156	104	145	184	218	198	236	477	522	355	393	410
Sub-acute	769	882	1,020	1,528	1,653	792	967	1,251	1,187	1,127	1,234	1,259	1,144	1,224	972
Chronic	7,975	7,068	6,622	6,849	4,989	4,319	4,339	4,200	4,191	3,652	4,513	3,625	3,526	3,263	4,266
TOTAL	8,962	8,226	7,852	7,533	6,746	5,256	5,490	5,669	5,576	5,015	6,224	5,406	5,025	4,880	5,648
Total number of patients examined	1,356,116	1,539,717	1,623,890	1,431,858	1,466,616	1,256,641	1,303,249	1,286,726	1,298,280	1,154,488	1,241,998	1,331,904	1,554,063	1,362,801	1,647,677
Percentage of Glaucoma Cases	0.66	0.53	0.48	0.52	0.45	0.42	0.42	0.44	0.43	0.43	0.35	0.4	0.36	0.36	0.34
Percentage of absolute Glaucoma	0.29	0.26	0.23	0.25	0.22	0.19	0.11	0.17	1.18	0.19	0.2	0.16	0.13	0.13	0.14
Operations :															
Iridectomy	1,734	1,852	1,671	166	1,587	1,077	1,082	1,074	944	784	614	571	599	633	590
Trephining with Iridectomy ...	1,451	1,522	1,512	1,382	1,289	1,100	1,144	1,029	922	782	659	756	584	604	643

N.B.—Including cases of unilateral and bilateral absolute glaucoma.

TABLE 17.—TISSUES HARDENED. SECTIONS CUT AND EXAMINED MICROSCOPICALLY AT THE
MEMORIAL OPHTHALMIC LABORATORY, GIZA, DURING 1952.

Lids and eyebrow :		Lens :	
Inflammations	4	Degeneration	—
Tumours {	Benign, including cysts	Cataract	8
	Malignant	Dislocation	—
Conjunctiva :		Choroid :	
Foreign body	—	Inflammation	—
Inflammations	17	Degeneration, including ossification	14
Bilharzia	—	Injury	—
Degeneration	25	Tumours, malignant	—
Tumours {	Benign, including cysts	Detachment	1
	Malignant	Vitreous :	
Limbus :		Other conditions	—
Inflammation	3	Retina and Optic Nerve :	
Tuberculosis	—	Detachment	6
Tumours {	Benign, including cysts	Inflammation	—
	Malignant	Degeneration	23
Cornea :		Tumours {	Benign
Wounds	3		Malignant
Inflammation, including ulceration	—	Orbit :	
Degeneration	13	Gumma	—
Staphyloma	20	Inflammation	—
Tumours {	Benign	Tumours {	Benign, including cysts
	Malignant		Malignant
Sclerotic :		Other animals (horses, mules and donkeys)	
Wounds	3	Smears from conjunctiva	
Inflammations	—	Mantoux test	
Tumours {	Benign	Lacrimal Gland :	
	Malignant	Degeneration	—
Iris and ciliary body :		Inflammation	—
Wounds	—	Tumours {	Benign, including cysts
Inflammations	4		Malignant
Degeneration	4	Subluxated	
Tumours {	Benign, including cysts		
	Malignant		

TABLE 17 (contd.).—TISSUES HARDENED. SECTIONS CUT AND EXAMINED MICROSCOPICALLY AT THE MEMORIAL OPHTHALMIC LABORATORY, GIZA, DURING 1952.

Lacrimal Sac Canaliculi ;		Phthisis bulbi :	
Degeneration	—	Causes undetermined	—
Argyrosis	—	Trauma	2
Inflammation	4	Inflammation	3
Tumours	2	Post operative	—
Glaucoma :		Fly blown orbit	4
Primary	1	Unclassified	25
Secondary inflammation indo- cyclitis	—	Undetermined	2
Anterior synechia or adh. leucoma	16	Examination of cells :	
Luxation of lens	—	Eosinophilla { Positive	267
Retina and choroid :		{ Negative	188
Infantile	—	Special bacteriological examination (smears not included)	77
Panophthalmitis and endophthal- mitis ;		Exam. of blood, urine and faeces ...	111
Endophthalmitis	1	GRAND TOTAL	1,952
Exogenous	—		
Endogenous	—		

TABLE 18.—WASSERMANN TEST

Positive	74
Doubtful	—
Negative	993
Unfit	166
TOTAL	1,233

TABLE 19.—RESULT OF EXAMINATION OF DIPHTHERIA SPECIMENS

Positive	—
Negative	—
Overgrown	—
Sterile	—
Unfit	—
TOTAL	—

TABLE 20.—NUMBER OF BEDS AT ALL OPHTHALMIC HOSPITALS DURING 1952

Hospital	Number of Beds	Hospital	Number of Beds	Hospital	Number of Beds
Rod El Farag	135	El Zagazig	36	Samallout	21
Giza	59	Abu Kebir	28	El Fikriya	13
El Khalifa	32	Fakous	12	El Fashn	12
Bab El Shaaria... ..	9	Minia El Qamh	12	Bani Mazar	14
Boulak	11	Anshas	18	Number 14... ..	30
No. 1.	30	Belbeis	12	Assiut	51
„ 3.	32	Number 6... ..	21	Riad el Foadia	30
Port Said	50	Shibin el Koam	27	Mallawi	20
Ismaelia	12	Kuesna	12	Dairout	12
Suez	25	Minouf	50	El Badari	8
Damietta	35	Ashmoun	12	Abu Teeg	12
Number 11... ..	17	Tala	12	Sahel Seleem	8
Benha	76	El Bagour	—	Number 5... ..	33
Qalioub	24	Sobk El Dahak	4	Souhag	23
Shebin El Kanater	12	Zawiet El Naoura	9	Tahta	30
Number 12... ..	30	Number 2... ..	34	Tima	20
Tanta	38	Damanhour	32	Guirga	12
El Santa	14	Edfina	45	Baliana	12
Zefta	2	Kom Hamada	11	Akhmim	12
El Mahalla El Kobra	12	El Dilingat	12	Number 10... ..	24
Taieba	15	Shoubrakhith	12	Quena	31
Sherbin	12	Kafr El Dawar	17	Esna	21
Samannud	8	Etag El Baroud	16	Luxor	25
Kafr el Zayat	8	Number 9... ..	30	Qous	12
Minshat el Badrawi	20	El Saff	12	Naga Hammadi	14
Belkas	4	Ayat	20	Deshna	10
Kafr el Sheikh	30	Number 13... ..	32	Kom Ombo	6
Fuwa	6	Bani Suef	92	Aswan	23
Disuq	12	El Wasta	12	Edfu	12
Number 15... ..	25	Beba	12	Hehia	20
Mansoura	78	Number 7... ..	34	Rosetta	12
Mataria	24	El Fayoum... ..	46	Manfaloat (tents)	20
Mit Ghamr... ..	22	Tamia	30	Manfalout (Branch)	20
El Senbellawein	12	Sinnoures	20		
Faraskur	9	Itsa	12		
Aga	12	Number 8... ..	30		
Dekernis	12	El Minia	28		
Number 4	30	Maghagha	17		

N.B.—The decrease and increase in beds is a result of transformation of nursing in some hospitals from male to female.

TABLE 21.—COST OF UNIFORM DIETS FOR ALL IN-PATIENTS AT OPHTHALMIC HOSPITALS
DURING 1952, EXCLUDING COST OF RATIONS OF EMPLOYEES

Hospital				Number of Diets issued	Total Cost	Cost per day per head	Hospital				Number of Diets issued	Total Cost	Cost per day per head
No. 1	...	...	...	7,861	545	69	Tanta	...	...	...	11,345	732	64
„ 2	...	...	...	7,573	460	70	Santa	...	...	...	3,214	395	67
„ 3	...	...	...	6,447	542	84	Zefta	...	...	...	710	46	64
„ 4	...	...	...	4,373	413	67	Mahalla El Kobra	...	...	...	3,589	411	114
„ 5	...	...	...	6,499	487	75	Kafr el Sheikh	...	...	...	8,521	639	75
„ 6	...	...	...	5,235	306	58	Mansoura	...	...	...	18,644	1,288	69
„ 7	...	...	...	6,789	590	86	Mataria	...	...	...	8,192	590	72
„ 8	...	...	...	4,877	356	73	Zagazig	...	...	...	9,145	788	86
„ 9	...	...	...	4,209	278	66	Shebin el Kom	...	...	...	8,156	489	60
„ 10	...	...	...	3,179	258	81	Kuesna	...	...	...	3,378	186	55
„ 11	...	...	...	6,554	537	61	Menouf	...	...	...	10,295	679	66
„ 12	...	...	...	3,756	251	67	Damanhour	...	...	...	10,219	741	72
„ 13	...	...	...	5,715	343	60	Edfina	...	...	...	4,916	349	71
„ 14	...	...	...	8,808	750	63	Beni Suef	...	...	...	28,227	2,365	84
„ 15	...	...	...	1,190	81	68	Fayum	...	...	...	14,391	892	62
Abu Kebir	...	...	...	5,275	395	66	Minia	...	...	...	7,173	450	63
Tamia	...	...	...	7,295	379	52	Maghagha	...	...	...	5,455	333	61
Tahta	...	...	...	10,671	992	93	Samallout	...	...	...	6,747	438	65
Tima	...	...	...	7,897	571	72	Assiout	...	...	...	12,360	803	65
Rod el Farag	...	...	...	43,404	3,038	70	Sohag	...	...	...	4,284	357	84
Giza	...	...	...	20,186	1,697	74	Quena	...	...	...	6,860	446	65
Khalifa	...	...	...	6,708	463	69	Manfalout	...	...	...	6,440	425	66
Port Said	...	...	...	12,595	886	70	Kom Ombo	...	...	...	1,379	118	68
Benha	...	...	...	20,284	1,498	74	Riad el Foadia	...	...	...	1,000	70	66
Kalioub	...	...	...	5,072	312	61							

N.B.—1. Excluding the Ophthalmic Branches in General Hospitals.
2. Fuel is excluded.

SCALE OF FULL DIET GIVEN TO ALL IN-PATIENTS AT ALL OPHTHALMIC HOSPITALS

							Grs.								Grs.
Bread	...	...	...	...	...	...	450	Milk	...	...	...	...	...	...	200
Beef	...	...	...	...	...	...	150	Butter	...	...	...	...	...	...	15
Vegetables	...	...	...	...	...	...	150	Sugar	...	...	...	...	...	...	30
Lentils	...	...	...	...	...	...	75	Salt	...	...	...	...	...	...	20
Rice	...	...	...	...	...	...	75								

TABLE 22.—ACTUAL EXPENDITURE :
(A) GENERAL ADMINISTRATION

	L.E.
Pensionable staff	9,127
Hors cadre staff	1,056
Transport, transfer and travelling allowance	162
Telephones	—
TOTAL	10,345

TABLE 22.—ACTUAL EXPENDITURE :
(B) GOVERNMENT OPHTHALMIC HOSPITALS

Chapter	Total Actual Expenditure
	L.E.
Pensionable staff	76,396
Hors cadre staff	87,433
Transport, transfer and travelling allowance	1,215
Food	38,557
Forage... ..	—
Water	2,825
Light	1,588
Disposal of sewage	129
Fuel	1,804
Rent	305
Telegrams and Telephones (phone communications)	3
Stores :	
General Equipment	7,336
Stores Transfer... ..	448
Surgical Equipment	766
„ Instruments	745
Drugs	4,749
Dressings	1,466
Petty expenses	771
TOTAL	226,536

N.B.—The expenses of telegrams and telephones are included in the expenses of the Ministry.

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